

## Product datasheet for TP527565

### Id4 (NM\_031166) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse inhibitor of DNA binding 4 (Id4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227565 representing NM_031166 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MKAVSPVRPSGRKAPSGCGGGELALRCLAEHGHS LGGSAAAAAAAAAARCKAAEAADEPALCLQCDMND CYSRLRRLVPTIPPNNKKVSKVEILQHVIDYILDQLALETHPALLRQPPPPAPPLHPAGACPVAPRPTPL TALNTDPAGAVNKQGDSILCR
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	17 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_112443</a>
Locus ID:	15904
UniProt ID:	<a href="#">P41139</a> , <a href="#">Q544D2</a>
RefSeq Size:	1660
Cytogenetics:	13 24.71 cM



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RefSeq ORF: 483

Synonyms: bHLHb27; Idb4

**Summary:** Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation.[UniProtKB/Swiss-Prot Function]